

AMENDMENTS TO THE CLAIMS

Without prejudice, this listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1-6. (Canceled).

7. (Currently Amended) An angle-resolving antenna system for pulse radar applications in automotive technology, comprising:

two radar sensors for determination of distance information and angular deviation, each of the two radar sensors including a separate transmitting antenna and receiving antenna; [[and]]

an evaluation unit for obtaining the angular deviation from receiving signals of the two radar sensors in unlike switching states; and

at least one column of antenna exciters that is capable of being switched on and off for switching the beam width;

wherein receiving antennas of the two radar sensors are configured to be switchable with regard to main beam direction and beam width.

8. (Canceled).

9. (Currently Amended) The angle-resolving antenna system of claim [[8]] 7, wherein a phase control of at least two columns of antenna exciters for switching the main beam direction.

10. (Currently Amended) ~~The angle-resolving antenna system of claim 7, further comprising:~~ An angle-resolving antenna system for pulse radar applications in automotive technology, comprising:

two radar sensors for determination of distance information and angular deviation, each of the two radar sensors including a separate transmitting antenna and receiving antenna;

an evaluation unit for obtaining the angular deviation from receiving signals of the two radar sensors in unlike switching states; and

a plurality of receiving antenna exciters columns that are combined into one antenna array in order to achieve beam shaping in an azimuth direction;

wherein receiving antennas of the two radar sensors are configured to be switchable with regard to main beam direction and beam width.

11. (Previously Presented) The angle-resolving antenna system of claim 7, wherein the receiving antennas of the two radar sensors with a narrow beam width with reference to the main beam direction are directed outward away from a midperpendicular of the two radar sensors in order to obtain precise detection at edges of a vehicle path in at least one a forward direction and a reverse direction.

12. (Previously Presented) The angle-resolving antenna system of claim 7, wherein the receiving antennas of the two radar sensors with a narrow beam width with reference to the main beam direction are inclined toward a midperpendicular of the two radar sensors in order to obtain an increased range in a driving direction.